

## Exhibit A

MICHAEL W. MILLER, Ph.D.

Schering-Plough Research Institute  
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Kenilworth, New Jersey 07033-0539

### EDUCATION / EXPERIENCE

Senior Principal Scientist SPRI September 2004 to present

Principal Scientist: SPRI May 2001 to August 2004

Assoc. Principal Scientist: SPRI April 1998 to April 2001

Senior Scientist: SPRI, Oct. 1996 to March 1998

Postdoctoral Research Fellow: Wayne State University, Detroit, MI. January 1994 to September 1996

Project: Synthesis of bioactive molecules via biocatalytic and organometallic transformations

Research Advisor: Prof. Carl R. Johnson

Ph.D. Organic Chemistry 1994, Colorado State University, Fort Collins, CO.

Title : Photochemical Activation of Chromium Carbene Complexes : Use in Organic Synthesis

Research Advisor: Prof. Louis S. Hegedus

B.S. Chemistry 1989, Southwestern Oklahoma State University, Weatherford, OK.

Laboratory Instructor 1989-1991, Colorado State University

Undergraduate Research Assistant Summers 1987 and 1988, University of Oklahoma, Norman, OK

Research Advisor: Prof. Kenneth M. Nicholas

Project: Nucleophilic additions to cationic cobalt complexed dienes

### Honors/Awards

2004 Thomas Alva Edison Patent Award

SPRI – 2000 President's Award for Discovery

NIH Postdoctoral Fellowship 1994 - 1996

Department of Education Graduate Assistance in Areas of National Need  
Fellowship 1992-1993

Colorado Graduate Fellowship 1991-1993

Syntex Scholarship 1993

Presidential Leadership Scholarship 1985-1989

Conoco Scholarship 1989  
Sophomore Chemistry Scholarship 1986

### PUBLICATIONS

"Concise Formation of 4-Benzyl Piperidines and Related Derivatives Using a Suzuki Protocol" Vice, S.; Bara, T.; Bauer, A.; Evans, C.A.; Ford, J.; Josien, H.; McCombie, S.; Miller, M.; Nazareno, D.; Palani, A.; Tagat, J. *J. Org. Chem.* 2001, 66, 2487.

"Suzuki Arylation of 1,1-Dibromo-1-alkenes: Synthesis of Tetra-substituted Alkenes" Bauer, A.; Miller, M.W.; Vice, S.F.; McCombie, S.W. *Synlett* 2001, 254.

"Mild N-Dealkylation of Tertiary, Benzylic Amines with Acid Chlorides: Application to Solid-Phase Chemistry" Miller, M.W.; Vice, S.F.; McCombie, S.W. *Tetrahedron Lett.* 1998, 39, 3429.

"Sonogashira Coupling of 2-Iodo-2-cycloalkanones: Synthesis of (+)- and (-)-Harveynone and (-)-Tricholomenyn A" Miller, M.W.; Johnson, C.R. *J. Org. Chem.* 1997, 62, 1582.

"Synthesis of 4-Alkyl-4-alkoxybutenolides Having Unsaturated Side Chains via Chromium Carbene Complex Photochemistry: (+)-Cerulenin" Kedar, T.E.; Miller, M.W.; Hegedus, L.S. *J. Org. Chem.* 1996, 61, 6121.

"Photochemical Reaction between Tertiary Allylic Amines and Chromium Carbene Complexes: Synthesis of Lactams via a Zwitterion Aza Cope Rearrangement" Deur, C.J.; Miller, M.W.; Hegedus, L.S. *J. Org. Chem.* 1996, 61, 2871.

"Enzymatic Resolution of a C<sub>2</sub> Symmetric Diol Derived from p-Benzoquinone : Synthesis of (+) and (-)-Bromoxone" Johnson, C.R.; Miller, M.W. *J. Org. Chem.* 1995, 60, 6674.

"Synthesis of (+)-1-Deoxygalactonojirimycin and a Related Indolizidine" Johnson, C.R.; Golebiowski, A.; Sundram, H.; Miller, M.W.; Dwaihy, R.L. *Tetrahedron Lett.* 1995, 36, 653.

"Synthesis of Aza-C-disaccharides - a New Class of Sugar Mimics" Johnson, C.R.; Miller, M.W.; Golebiowski, A.; Sundram, H.; Ksebat, M.B. *Tetrahedron Lett.* 1994, 35, 8991.

"Synthesis of Optically Active Cyclobutanones and  $\gamma$ -Lactones from Chromium Carbene Complexes" Miller, M.; Hegedus, L.S. *Photochemical Key Steps in Organic Synthesis* Mattay, J.; Hirt, J., Eds. VCH: Weinheim (FRG), 1994: pp 263-267.

"Synthesis of Optically Active Butenolides via Chromium Alkoxy-carbene Complexes: Total Synthesis of (+)-Tetrahydrocerulenin and Two Butenolides from the Marine Sponge *Plakortis lita*" Miller, M.; Hegedus, L.S. *J. Org. Chem.* 1993, 58, 6779.

"Photochemical Reactions of Chromium-Alkoxycarbene Complexes with Stabilized Ylides To Produce "Push-Pull" Captodative Allenes" Sestrick, M.R.; Miller, M.; Hegedus, L.S. *J. Am. Chem. Soc.* 1992, 114, 4079.

"Unexpected Regioselectivity in the Addition of Lithium Diisopropylamide to ( $\eta^4$ -1,3-butadiene)Co(CO)<sub>3</sub>BF<sub>4</sub>" Miller, M.; Nicholas, K.M. *J. Organomet. Chem.* 1989, C15.

#### Patents/Applications

Clader, J.W.; Kozlowski, J.A.; McCombie, S.W.; Miller, M.W.; Vice, S.F. Preparation of piperidine amide derivatives as muscarinic antagonists. PCT Int. Appl. (2001), WO 0121590 A1.

Baroudy, B.M.; Clader, J.W.; Josien, H.B.; McCombie, S.W.; McKittrick, B.A.; Miller, M.W.; Neustadt, B.R.; Palani, A.; Smith, E.M.; Steensma, R.; Tagat, J.R.; Vice, S.F.; Laughlin, M.A.; Gilbert, E.; Labroli, M.A. Piperazine derivatives useful as CCR5 antagonists. US 6391865 B1 (May 21, 2002).

Baroudy, B.M.; Clader, J.W.; Josien, H.B.; McCombie, S.W.; McKittrick, B.A.; Miller, M.W.; Neustadt, B.R.; Palani, A.; Smith, E.M.; Steensma, R.; Tagat, J.R.; Vice, S.F.; Laughlin, M.A.; Gilbert, E.; Labroli, M.A. Piperazine derivatives useful as CCR5 antagonists. US 6689765 B2 (Feb 10, 2004).

Baroudy, B.M.; Clader, J.W.; Josien, H.B.; McCombie, S.W.; McKittrick, B.A.; Miller, M.W.; Neustadt, B.R.; Palani, A.; Smith, E.M.; Steensma, R.; Tagat, J.R.; Vice, S.F.; Laughlin, M.A. Piperidine derivatives useful as CCR5 antagonists. US 6387930 B1 (May 14, 2002).

Baroudy, B.M.; Clader, J.W.; Josien, H.B.; McCombie, S.W.; McKittrick, B.A.; Miller, M.W.; Neustadt, B.R.; Palani, A.; Smith, E.M.; Steensma, R.; Tagat, J.R.; Vice, S.F.; Laughlin, M.A. Piperidine derivatives useful as CCR5 antagonists. US 6602885 B2 (May 14, 2002).

Miller, M.W. CCR5 Antagonists Useful for Treating Aids US 6720325 B2 (April 13, 2004).

Palani, A.P., Miller, M.W., Scott, J.D. Piperidine Derivatives Useful as CCR5 Antagonists US 2004/0092551 A1 (May 13, 2004).

Palani, A.P., Miller, M.W., Scott, J.D. Piperidine Derivatives Useful as CCR5 Antagonists US 2004/0092745 A1 (May 13, 2004).

Scott, J.S., Miller, M.W. A preparation of (piperidinyl-N-carboxy)pyrimidine derivatives, useful as CCR5 antagonists. PCT Int. Appl. (2004) WO 2004056770.

Ramanathan, R., Ghosal, A., Miller, M.W., Chowdhury, S.K., Alton, K.B. Piperazine derivatives and their preparation, pharmaceutical compositions and use as CCR5 antagonists for treatment of human immunodeficiency virus or inflammatory diseases. U.S. Pat. Appl. Publ. (2006) US 2006105964.

Gilbert, E.J., Miller, M.W., Scott, J.S., Stamford, A.S., Greenlee, W.J. Weinstein, J. Substituted piperazines as CB1 antagonists and their preparation, pharmaceutical compositions, and their use for treatment of metabolic disorders. PCT Int. Appl. (2006) WO 2006060461.

Chan, T.-M., Cox, K., Feng, W., Miller, M.W., Weston, D., McCombie, S. Piperidinyl piperazine derivatives useful as inhibitors of chemokine receptors. PCT Int. Appl. (2006) WO 2006091692.

Chan, T.-M., Cox, K., Feng, W., Miller, M.W., Weston, D., McCombie, S. Piperidinylpiperidine derivatives useful as inhibitors of chemokine receptors and their preparation and pharmaceutical compositions. PCT Int. Appl. (2006) WO 2006091534.

## PRESENTATIONS

"Facile Acylative Cleavage of Benzylic Amines with Acid Chlorides: Application to Solid-Phase Chemistry" Michael W. Miller, Susan Vice, and Stuart W. McCombie, Poster, 16th International Congress of Heterocyclic Chemistry; Bozeman, MT; August 1997.

"Benzoquinone and Enzymes: Useful Combination for the Production of Densely Functionalized, Enantiopure Targets" Michael W. Miller and Carl R. Johnson, Poster, Gordon Research Conference on Stereochemistry; Newport, RI; June 1996.

"Enzymatic Resolution of a C<sub>2</sub> Symmetric Diol Derived from p-Benzoquinone : Total Synthesis of (+) and (-)-Bromoxone" Michael W. Miller and Carl R. Johnson, Poster #164; 34th National Organic Symposium: Williamsburg, VA; June 1995.

"The Use of Chromium Carbene Complexes in Natural Product Synthesis" Michael Miller and Louis S. Hegedus, ORGN #78; 206th ACS National Meeting; Chicago, IL; August 1993.

"Unexpected Regioselectivity in the Addition of Lithium Diisopropylamide to ( $\eta^4$ -1,3-butadiene)Co(CO)<sub>3</sub>BF<sub>4</sub>" Michael Miller and Kenneth M. Nicholas, CHED #41; 197th ACS National Meeting; Dallas, TX; April 1989.